




























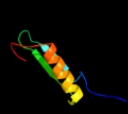
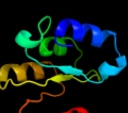


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3qe7A_	 Alignment		100.0	16	PDB header: transport protein Chain: A: PDB Molecule: uracil permease; PDBTitle: crystal structure of uracil transporter--uraa
2	c3ny7A_	 Alignment		99.9	98	PDB header: membrane protein Chain: A: PDB Molecule: sulfate transporter; PDBTitle: stas domain of ychm bound to acp
3	c3lloA_	 Alignment		99.9	17	PDB header: motor protein Chain: A: PDB Molecule: prestin; PDBTitle: crystal structure of the stas domain of motor protein prestin (anion2 transporter slc26a5)
4	c3mg1A_	 Alignment		99.9	24	PDB header: transport protein Chain: A: PDB Molecule: sulfate permease family protein; PDBTitle: crystal structure of permease family protein from vibrio2 cholerae
5	c3oirA_	 Alignment		99.9	28	PDB header: transport protein Chain: A: PDB Molecule: sulfate transporter sulfate transporter family protein; PDBTitle: crystal structure of sulfate transporter family protein from wolinetella2 succinogenes
6	c2klnA_	 Alignment		99.8	20	PDB header: transport protein Chain: A: PDB Molecule: probable sulphate-transport transmembrane protein, cog0659; PDBTitle: solution structure of stas domain of rv1739c from m. tuberculosis
7	d1lauza_	 Alignment		99.7	26	Fold: Spollaa-like Superfamily: Spollaa-like Family: Anti-sigma factor antagonist Spollaa
8	d1th8b_	 Alignment		99.7	25	Fold: Spollaa-like Superfamily: Spollaa-like Family: Anti-sigma factor antagonist Spollaa
9	c3f43A_	 Alignment		99.6	16	PDB header: transcription Chain: A: PDB Molecule: putative anti-sigma factor antagonist tm1081; PDBTitle: crystal structure of a putative anti-sigma factor antagonist (tm1081)2 from thermotoga maritima at 1.59 a resolution
10	c3klkB_	 Alignment		99.6	20	PDB header: transport protein Chain: B: PDB Molecule: antisigma-factor antagonist stas; PDBTitle: crystal structure of the c-terminal domain of anti-sigma factor2 antagonist stas from rhodobacter sphaeroides
11	c2vy9A_	 Alignment		99.6	14	PDB header: gene regulation Chain: A: PDB Molecule: anti-sigma-factor antagonist; PDBTitle: molecular architecture of the stressosome, a signal2 integration and transduction hub

12	dlvc1a_	Alignment		99.5	18	Fold: Spollaa-like Superfamily: Spollaa-like Family: Anti-sigma factor antagonist Spollaa
13	c3t6oA_	Alignment		99.4	14	PDB header: transport protein Chain: A: PDB Molecule: sulfate transporter/antisigma-factor antagonist stas; PDBTitle: the structure of an anti-sigma-factor antagonist (stas) domain protein2 from planctomyces limnophilus.
14	dlh4xa_	Alignment		99.3	14	Fold: Spollaa-like Superfamily: Spollaa-like Family: Anti-sigma factor antagonist Spollaa
15	c3ih9A_	Alignment		95.9	26	PDB header: hydrolase Chain: A: PDB Molecule: salt-tolerant glutaminase; PDBTitle: crystal structure analysis of mglu in its tris form
16	c3bezC_	Alignment		74.2	11	PDB header: hydrolase Chain: C: PDB Molecule: protease 4; PDBTitle: crystal structure of escherichia coli signal peptide peptidase (sppa),2 semet crystals
17	d2nu7b1	Alignment		72.1	12	Fold: Flavodoxin-like Superfamily: Succinyl-CoA synthetase domains Family: Succinyl-CoA synthetase domains
18	dlmvoa_	Alignment		70.8	13	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
19	c2dfwA_	Alignment		69.4	18	PDB header: hydrolase Chain: A: PDB Molecule: salt-tolerant glutaminase; PDBTitle: crystal structure of a major fragment of the salt-tolerant2 glutaminase from micrococcus luteus k-3
20	c3b2nA_	Alignment		68.6	8	PDB header: transcription Chain: A: PDB Molecule: uncharacterized protein q99uf4; PDBTitle: crystal structure of dna-binding response regulator, luxr family, from2 staphylococcus aureus
21	c3bl4B_	Alignment	not modelled	66.7	17	PDB header: unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a protein with unknown function (arth_0117) from2 arthrobacter sp. fb24 at 2.20 a resolution
22	dl17vc_	Alignment	not modelled	60.1	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
23	clyqtA_	Alignment	not modelled	57.4	18	PDB header: hydrolase/translation Chain: A: PDB Molecule: rnase l inhibitor; PDBTitle: rnase-l inhibitor
24	d2hyda1	Alignment	not modelled	55.6	19	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
25	c3jteA_	Alignment	not modelled	55.2	9	PDB header: protein binding Chain: A: PDB Molecule: response regulator receiver protein; PDBTitle: crystal structure of response regulator receiver domain2 protein from clostridium thermocellum
26	dl dz3a_	Alignment	not modelled	48.3	11	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
27	d2q3la1	Alignment	not modelled	48.0	15	Fold: Spollaa-like Superfamily: Spollaa-like Family: Sfri0576-like
28	c3gfbB_	Alignment	not modelled	46.4	12	PDB header: hydrolase, signaling protein Chain: B: PDB Molecule: klebsiella pneumoniae blrp1; PDBTitle: klebsiella pneumoniae blrp1 ph 6 manganese/cy-digmp complex
						PDB header: structural genomics, unknown function

29	c2qy6A	Alignment	not modelled	45.5	19	Chain: A: PDB Molecule: upf0209 protein yfck; PDBTitle: crystal structure of the n-terminal domain of upf0209 protein yfck2 from escherichia coli o157:h7
30	c2pr7A	Alignment	not modelled	45.1	9	PDB header: hydrolase Chain: A: PDB Molecule: haloacid dehalogenase/epoxide hydrolase family; PDBTitle: crystal structure of uncharacterized protein (np_599989.1) from2 corynebacterium glutamicum atcc 13032 kitasato at 1.44 a resolution
31	c2deoA	Alignment	not modelled	43.6	10	PDB header: hydrolase Chain: A: PDB Molecule: 441aa long hypothetical nfed protein; PDBTitle: 1510-n membrane protease specific for a stomatin homolog from2 pyrococcus horikoshii
32	c3hv9A	Alignment	not modelled	43.3	16	PDB header: hydrolase Chain: A: PDB Molecule: protein fimx; PDBTitle: crystal structure of fimx eal domain from pseudomonas aeruginosa
33	c2zwmA	Alignment	not modelled	42.9	11	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulatory protein yycf; PDBTitle: crystal structure of yycf receiver domain from bacillus2 subtilis
34	d1a04a2	Alignment	not modelled	41.0	11	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
35	d1tg6a1	Alignment	not modelled	40.7	13	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Clp protease, ClpP subunit
36	c3hvbB	Alignment	not modelled	38.9	15	PDB header: hydrolase Chain: B: PDB Molecule: protein fimx; PDBTitle: crystal structure of the dual-domain ggdef-eal module of2 fimx from pseudomonas aeruginosa
37	d1pf4a1	Alignment	not modelled	37.9	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
38	c3ozxA	Alignment	not modelled	36.9	13	PDB header: hydrolase, translation Chain: A: PDB Molecule: rnase l inhibitor; PDBTitle: crystal structure of abce1 of sulfolobus solfataricus (-fes domain)
39	c2yz2B	Alignment	not modelled	36.7	19	PDB header: hydrolase Chain: B: PDB Molecule: putative abc transporter atp-binding protein tm_0222; PDBTitle: crystal structure of the abc transporter in the cobalt transport2 system
40	d1ys7a2	Alignment	not modelled	36.0	8	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
41	c3i42A	Alignment	not modelled	35.3	9	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: response regulator receiver domain protein (chey- PDBTitle: structure of response regulator receiver domain (chey-like)2 from methylobacillus flagellatus
42	c3eulB	Alignment	not modelled	34.0	9	PDB header: transcription Chain: B: PDB Molecule: possible nitrate/nitrite response transcriptional PDBTitle: structure of the signal receiver domain of the putative2 response regulator narl from mycobacterium tuberculosis
43	c2qv0A	Alignment	not modelled	33.8	7	PDB header: transcription Chain: A: PDB Molecule: protein mrke; PDBTitle: crystal structure of the response regulatory domain of2 protein mrke from klebsiella pneumoniae
44	d2awna2	Alignment	not modelled	33.7	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
45	d1ji0a	Alignment	not modelled	33.2	7	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
46	d1u0sy	Alignment	not modelled	32.9	14	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
47	c2q3eH	Alignment	not modelled	32.6	14	PDB header: oxidoreductase Chain: H: PDB Molecule: udp-glucose 6-dehydrogenase; PDBTitle: structure of human udp-glucose dehydrogenase complexed with nadh and2 udp-glucose
48	d2csua3	Alignment	not modelled	31.9	15	Fold: Flavodoxin-like Superfamily: Succinyl-CoA synthetase domains Family: Succinyl-CoA synthetase domains
49	c3cz5B	Alignment	not modelled	31.7	13	PDB header: transcription regulator Chain: B: PDB Molecule: two-component response regulator, luxr family; PDBTitle: crystal structure of two-component response regulator, luxr family,2 from aurantimonas sp. si85-9a1
50	d1b0ua	Alignment	not modelled	30.6	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
51	c3nhaA	Alignment	not modelled	30.2	18	PDB header: transport protein Chain: A: PDB Molecule: atp-binding cassette sub-family b member 6, mitochondrial; PDBTitle: nucleotide binding domain of human abcb6 (adp mg bound structure)
52	c2r6fA	Alignment	not modelled	29.0	19	PDB header: hydrolase Chain: A: PDB Molecule: excinuclease abc subunit a; PDBTitle: crystal structure of bacillus stearothermophilus uvra
53	c2it1B	Alignment	not modelled	29.0	17	PDB header: transport protein Chain: B: PDB Molecule: 362aa long hypothetical maltose/maltodextrin

						PDBTitle: structure of ph0203 protein from pyrococcus horikoshii
54	d1jbea_	Alignment	not modelled	28.4	12	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
55	c3nhzA_	Alignment	not modelled	28.2	11	PDB header: dna binding protein Chain: A: PDB Molecule: two component system transcriptional regulator mtra; PDBTitle: structure of n-terminal domain of mtra
56	c3dcmX_	Alignment	not modelled	27.9	2	PDB header: transferase Chain: X: PDB Molecule: uncharacterized protein tm_1570; PDBTitle: crystal structure of the thermotoga maritima spout family2 rna-methyltransferase protein tm1570 in complex with s-3 adenosyl-l-methionine
57	c2pcjB_	Alignment	not modelled	27.8	8	PDB header: hydrolase Chain: B: PDB Molecule: lipoprotein-releasing system atp-binding protein lold; PDBTitle: crystal structure of abc transporter (aq_297) from aquifex aeolicus2 vf5
58	d1mv5a_	Alignment	not modelled	27.2	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
59	d1peya_	Alignment	not modelled	25.2	11	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
60	d1krwa_	Alignment	not modelled	25.2	10	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
61	d1s8na_	Alignment	not modelled	25.1	15	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
62	d1g6ha_	Alignment	not modelled	23.9	9	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
63	c2r6oB_	Alignment	not modelled	23.6	14	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: putative diguanylate cyclase/phosphodiesterase (ggdef & eal PDBTitle: crystal structure of putative diguanylate cyclase/phosphodiesterase2 from thiobacillus denitrificans
64	c3hdgE_	Alignment	not modelled	23.5	13	PDB header: structural genomics, unknown function Chain: E: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the n-terminal domain of an2 uncharacterized protein (ws1339) from wolinetella3 succinogenes
65	c3kthD_	Alignment	not modelled	22.8	8	PDB header: hydrolase Chain: D: PDB Molecule: atp-dependent clp protease proteolytic subunit; PDBTitle: structure of clpp from bacillus subtilis in orthorhombic crystal form
66	c2nq2C_	Alignment	not modelled	22.2	10	PDB header: metal transport Chain: C: PDB Molecule: hypothetical abc transporter atp-binding protein PDBTitle: an inward-facing conformation of a putative metal-chelate2 type abc transporter.
67	d2cbya1	Alignment	not modelled	22.0	9	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Clp protease, ClpP subunit
68	d1xhfa1	Alignment	not modelled	22.0	8	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
69	c2csuB_	Alignment	not modelled	21.7	15	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: 457aa long hypothetical protein; PDBTitle: crystal structure of ph0766 from pyrococcus horikoshii ot3
70	c3hn7A_	Alignment	not modelled	21.3	10	PDB header: ligase Chain: A: PDB Molecule: udp-n-acetylmuramate-l-alanine ligase; PDBTitle: crystal structure of a murein peptide ligase mpl (psyc_0032) from2 psychrobacter arcticus 273-4 at 1.65 a resolution
71	c1vcia_	Alignment	not modelled	21.0	13	PDB header: transport protein Chain: A: PDB Molecule: sugar-binding transport atp-binding protein; PDBTitle: crystal structure of the atp-binding cassette of multisugar2 transporter from pyrococcus horikoshii ot3 complexed with3 atp
72	d2iw0a1	Alignment	not modelled	21.0	17	Fold: 7-stranded beta/alpha barrel Superfamily: Glycoside hydrolase/deacetylase Family: NodB-like polysaccharide deacetylase
73	c3g5uB_	Alignment	not modelled	20.9	13	PDB header: membrane protein Chain: B: PDB Molecule: multi drug resistance protein 1a; PDBTitle: structure of p-glycoprotein reveals a molecular basis for2 poly-specific drug binding
74	d1jj7a_	Alignment	not modelled	20.8	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
75	c1eucB_	Alignment	not modelled	20.7	6	PDB header: ligase Chain: B: PDB Molecule: succinyl-coa synthetase, beta chain; PDBTitle: crystal structure of dephosphorylated pig heart, gtp-2 specific succinyl-coa synthetase
76	c3llmB_	Alignment	not modelled	19.8	14	PDB header: hydrolase Chain: B: PDB Molecule: atp-dependent rna helicase a; PDBTitle: crystal structure analysis of a rna helicase
77	d2ayxa1	Alignment	not modelled	19.7	10	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related

78	c1e1cA	Alignment	not modelled	19.6	19	PDB header: isomerase Chain: A: PDB Molecule: methylmalonyl-coa mutase alpha chain; PDBTitle: methylmalonyl-coa mutase h244a mutant
79	dlzesal	Alignment	not modelled	19.2	9	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
80	c1tg6G	Alignment	not modelled	19.2	13	PDB header: hydrolase Chain: G: PDB Molecule: putative atp-dependent clp protease proteolytic subunit; PDBTitle: crystallography and mutagenesis point to an essential role for the n-2 terminus of human mitochondrial clpp
81	c3lpzA	Alignment	not modelled	19.1	29	PDB header: protein transport Chain: A: PDB Molecule: get4 (yor164c homolog); PDBTitle: crystal structure of c. therm. get4
82	c2rjnA	Alignment	not modelled	19.0	13	PDB header: hydrolase Chain: A: PDB Molecule: response regulator receiver:metal-dependent PDBTitle: crystal structure of an uncharacterized protein q2bku2 from2 neptunibacter caesariensis
83	c3a0rB	Alignment	not modelled	18.8	12	PDB header: transferase Chain: B: PDB Molecule: response regulator; PDBTitle: crystal structure of histidine kinase thka (tm1359) in complex with2 response regulator protein trra (tm1360)
84	c3nvbA	Alignment	not modelled	18.1	23	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of n-terminal part of the protein bf1531 from2 bacteroides fragilis containing phosphatase domain complexed with mg3 and tungstate
85	c2cbyG	Alignment	not modelled	17.7	9	PDB header: hydrolase Chain: G: PDB Molecule: atp-dependent clp protease proteolytic subunit 1; PDBTitle: crystal structure of the atp-dependent clp protease2 proteolytic subunit 1 (clpp1) from mycobacterium3 tuberculosis
86	c2zayA	Alignment	not modelled	17.2	9	PDB header: signaling protein Chain: A: PDB Molecule: response regulator receiver protein; PDBTitle: crystal structure of response regulator from desulfuromonas2 acetoxidans
87	c3pihA	Alignment	not modelled	16.9	19	PDB header: hydrolase/dna Chain: A: PDB Molecule: uvrabc system protein a; PDBTitle: t. maritima uvra in complex with fluorescein-modified dna
88	d2basal	Alignment	not modelled	16.4	17	Fold: TIM beta/alpha-barrel Superfamily: EAL domain-like Family: EAL domain
89	c1wazA	Alignment	not modelled	16.1	28	PDB header: transport protein Chain: A: PDB Molecule: merf; PDBTitle: nmr structure determination of the bacterial mercury2 transporter, merf, in micelles
90	c1oxtb	Alignment	not modelled	16.0	19	PDB header: transport protein Chain: B: PDB Molecule: abc transporter, atp binding protein; PDBTitle: crystal structure of glcv, the abc-atpase of the glucose abc2 transporter from sulfolobus solfataricus
91	c3s83A	Alignment	not modelled	16.0	17	PDB header: signaling protein Chain: A: PDB Molecule: ggdef family protein; PDBTitle: crystal structure of eal domain from caulobacter crescentus cb15
92	c3u5cH	Alignment	not modelled	15.8	4	PDB header: ribosome Chain: H: PDB Molecule: 40s ribosomal protein s7-a; PDBTitle: the structure of the eukaryotic ribosome at 3.0 a resolution
93	dljb0i	Alignment	not modelled	15.7	19	Fold: Single transmembrane helix Superfamily: Subunit VIII of photosystem I reaction centre, Psal Family: Subunit VIII of photosystem I reaction centre, Psal
94	c2d2fA	Alignment	not modelled	15.5	15	PDB header: protein binding Chain: A: PDB Molecule: sufc protein; PDBTitle: crystal structure of atypical cytoplasmic abc-atpase sufc from thermus2 thermophilus hb8
95	c2nu9E	Alignment	not modelled	15.4	12	PDB header: ligase Chain: E: PDB Molecule: succinyl-coa synthetase beta chain; PDBTitle: c123at mutant of e. coli succinyl-coa synthetase2 orthorhombic crystal form
96	c2hx1D	Alignment	not modelled	15.3	15	PDB header: hydrolase Chain: D: PDB Molecule: predicted sugar phosphatases of the had PDBTitle: crystal structure of possible sugar phosphatase, had2 superfamily (zp_00311070.1) from cytophaga hutchinsonii3 atcc 33406 at 2.10 a resolution
97	c2pzfB	Alignment	not modelled	15.3	10	PDB header: hydrolase Chain: B: PDB Molecule: cystic fibrosis transmembrane conductance regulator; PDBTitle: minimal human cfr first nucleotide binding domain as a head-to-tail2 dimer with delta f508
98	dlheya	Alignment	not modelled	14.9	12	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
99	dlvg6a1	Alignment	not modelled	14.9	8	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Clp protease, ClpP subunit